Index of Claims

| Application No. | Applicant(s)    |  |  |  |  |  |  |  |
|-----------------|-----------------|--|--|--|--|--|--|--|
| 10/032,448      | ARAI, YOSHIHIDE |  |  |  |  |  |  |  |
| Examiner        | Art Unit        |  |  |  |  |  |  |  |
| Edward J. Cain  | 1714            |  |  |  |  |  |  |  |

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cl              | aim<br>T | Date     |  |         |          |   |                         | _      |      | L Cla | aim      | <del></del>       | Date   |                     |     |          | CI       | aim      | Date          |                |          |              |          |                   |        |
|-----------------|----------|----------|--|---------|----------|---|-------------------------|--------|------|-------|----------|-------------------|--|---------------------|-----|----------|----------|----------|---------------|----------------|----------|--------------|----------|-------------------|--------|
| Final           | Original | 8/3/04   |  |         |          |   |                         |        |      | Final | Original |                   |  |                     |     |          | Final    | Original |               |                |          |              |          |                   |        |
|                 | 1        | L.       | Ш  | _       |          | 44  | $\perp$                 |        | 4    |       | 51       |                   |  |                     |     |          |          | 101      |               |                |          |              |          |                   |        |
|                 | 2        |          | Ш  | $\perp$ |          |   |                         | $\Box$ |      |       | 52       |                   |  |                     | 7   | E        |          | 102      |               |                |          |              |          |                   |        |
|                 | 3        |          |  |         |          | $\perp \perp$                                     | $\perp$                 |        |      |       | 53       |                   |  |                     |     |          |          | 103      |               |                |          |              |          |                   | Г      |
| <u> </u>        | 4        | Ļ        | Ш  |         | 丄        |   |                         |        |      |       | 54       |                   |  |                     |     |          |          | 104      |               | $\top$         | Τ        |              |          |                   |        |
|                 | 5        | Ą        | <u> </u>                                     |         | $\perp$  |   | $\perp$                 | _      | 12   |       | 55       |                   |  |                     |     |          |          | 105      |               |                |          |              |          |                   | Г      |
|                 | 6        | Ш        | Ш  |         |          |   |                         |        |      |       | 56       |                   |  |                     |     | ă,       |          | 106      |               |                | Т        |              |          |                   |        |
| <u> </u>        | 7        | Ш        | Ш  |         |          | $\sqcup$  |                         | _      |      |       | 57       |                   |  |                     |     |          |          | 107      | $\Box$        |                | Т        |              |          |                   | Г      |
|                 | 8        | Ш        | Ш  |         |          | $\perp \perp$                                     |                         | _      | 1    |       | 58       |                   |  |                     | ],- |          |          | 108      | T             |                | T        | T            |          |                   |        |
|                 | 9        | Ц        | Ш  | $\perp$ | $\perp$  |   | $\perp \downarrow$      | _      |      |       | 59       |                   |  |                     |     | ٠L       |          | 109      | П             |                | Т        |              |          | Г                 |        |
|                 | 10       | Ш        |  |         | $\perp$  |   | $\perp \perp$           | ᆜ      |      |       | 60       |                   |  |                     | -   |          |          | 110      |               |                |          |              | Г        |                   |        |
| <u> </u>        | 11       | 4        | $\sqcup$                                     | _       |          | $\perp \perp$                                     | _ _                     | _      |      |       | 61       |                   |  | $\perp \perp \perp$ | 4   |          |          | 111      |               |                |          |              |          |                   |        |
| <u> </u>        | 12       | Щ        | $\sqcup$                                     | 4       | 4        | <del> </del>                                      | $\perp \perp$           | _      |      |       | 62       |                   |  | 1.                  |     |          |          | 112      |               |                |          |              |          |                   |        |
|                 | 13       | Ļ        | $\sqcup$                                     | _       | $\perp$  | 1-1-  | $\bot \bot$             | _ :    |      |       | 63       |                   | $\perp \perp$                                    | $\perp$             |     | L        |          | 113      |               | $\perp \Gamma$ |          |              |          |                   |        |
|                 | 14       | 1        | $\sqcup$                                     |         | $\perp$  | 1   | $\downarrow \downarrow$ | _      |      |       | 64       |                   | <b> </b>   | $\bot$              |     | L        |          | 114      |               |                | Γ        | L            | $\Box$   |                   |        |
| ļ               | 15       |          | $\sqcup$                                     |         |          | 1   | 44                      | ᆚ      | i.   |       | 65       |                   |  |                     |     | L        |          | 115      |               |                |          |              |          |                   |        |
| <u> </u>        | 16       |          |  | _ _     |          | 1-1-  | $\bot$                  | _      |      |       | 66       |                   |  |                     |     | L        |          | 116      |               | L              |          |              |          |                   |        |
| <b>—</b>        | 17       |          | <u> </u>                                     | 4       | 4        | <b>↓</b> ↓  | $\perp \perp$           |        |      |       | 67       |                   |  | $\perp \perp \perp$ |     | L        |          | 117      |               |                |          |              |          |                   |        |
|                 | 18       |          |  | _       | 4        | 1   |                         | _      |      |       | 68       |                   | $oxed{oxed}$                                     |                     |     | .L       |          | 118      |               |                | Τ        |              |          |                   |        |
| <u> </u>        | 19       |          | <u>                                     </u> | _       |          | $\perp \perp$                                     | $\perp \perp$           | _      |      |       | 69       | _ _ _             |  |                     |     | L        |          | 119      |               |                |          |              |          |                   | Г      |
|                 | 20       |          |  | 4       | $\perp$  | 1   | $\perp \perp$           | _[     |      |       | 70       |                   |  |                     |     | L        |          | 120      |               |                |          |              |          |                   |        |
|                 | 21       |          | $\sqcup$                                     |         | - -      |   |                         |        |      |       | 71       |                   |  |                     | 5.  |          |          | 121      |               |                |          |              |          |                   |        |
|                 | 22       |          |  | _       | _        | $\perp \perp$                                     | 1.1                     | _      | ી    |       | 72       |                   |  |                     | -1: | L        |          | 122      |               |                | Т        | Τ            |          |                   | Г      |
| <u> </u>        | 23       |          | $\perp$                                      | 4       |          |   | $\bot\bot$              | _      |      |       | 73       |                   |  |                     | 1.5 |          |          | 123      |               |                |          |              |          | П                 |        |
|                 | 24       |          | $\sqcup$                                     | _       | <b>_</b> |   | _ _                     | _      |      |       | 74       |                   |  |                     |     | L        |          | 124      |               |                |          |              |          |                   |        |
|                 | 25       |          | <u> </u>                                     |         | 4_       | <del>                                     </del>  |                         | _      |      |       | 75       |                   | Ш.   |                     |     |          |          | 125      |               |                |          |              |          |                   |        |
|                 | 26       |          |  |         | _        | ₩.  | $\bot \bot$             |        | U.   |       | 76       |                   | Ш.   |                     |     | L        |          | 126      |               |                |          |              |          |                   |        |
|                 | 27       |          |  | 4       | 4_       | <b></b>   |                         | 4      |      |       | 77       |                   |  | .                   |     | L        |          | 127      |               |                |          |              |          |                   |        |
|                 | 28       |          | $\sqcup$                                     | _       |          | <del>                                      </del> | $\perp \downarrow$      | _      |      |       | 78       |                   |  |                     | -3  | L        |          | 128      |               |                | Т        |              |          |                   |        |
|                 | 29       |          |  | _ _     |          | 1   | 44                      | 4      | -    |       | 79       |                   | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$        |                     |     | L        |          | 129      |               |                |          |              |          |                   |        |
|                 | 30       |          |  | $\perp$ |          |   | $\bot\bot$              | ٦,     |      |       | 80       |                   |  |                     | - 3 | L        |          | 130      |               |                |          |              |          |                   |        |
|                 | 31       |          |  | $\perp$ |          | <u> </u>  | $\perp$                 | 4      |      |       | 81       |                   |  |                     |     |          |          | 131      |               |                |          |              |          |                   |        |
|                 | 32       | _        |  | _       |          | $\perp$   | 1-1-                    | 4      |      |       | 82       |                   | $\perp \perp$                                    | $\bot \bot \bot$    |     | L        | 1        | 132      |               |                |          |              |          |                   |        |
| <u> </u>        | 33       |          | $\perp$                                      | _       | _        | $\sqcup \bot$                                     | $\bot\bot$              | 4      | 9    |       | 83       | $\bot\bot\bot$    | $\sqcup \!\!\! \perp$                            | 111                 | - 1 | L        |          | 133      |               |                |          | L            |          |                   |        |
| $\vdash$        | 34       | _        | +  | +       |          | $\vdash$  |                         | 4      | :: - |       | 84       |                   | $\vdash \bot$                                    | +                   | _   | L        |          | 134      | $\bot\bot$    | $\perp$        | <u>L</u> | _            |          |                   | آـــا  |
| $\vdash \vdash$ | 35       | 4        | 4  | +       | +-       | $\vdash \vdash$                                   | ++                      | _      |      |       | 85       | +                 | $\vdash \vdash$                                  | ++                  |     | L        |          | 135      | $\bot\bot$    | 丄              |          | L            | Ш        |                   |        |
| $\vdash$        | 36       | 4        |  | +       | +-       | <del> </del>  -                                   | +                       | 4      | -    |       | 86       |                   |  | +                   |     | L        |          | 136      | $\perp \perp$ |                |          |              |          |                   |        |
| $\vdash\vdash$  | 37       | _        |  | +       | +        | -   | ++                      | -      | -    |       | 87       | -                 |  | +                   | _   | L        | _        | 137      | $\perp \perp$ |                | 1        |              | Ш        | $\Box$            |        |
| -               | 38       |          | -  | - -     | +        | $\vdash$  | ++                      | 4      |      |       | 88       | +++               | $\vdash \vdash$                                  | $\sqcup \sqcup$     |     | L        |          | 138      | $\perp \perp$ |                | 1        | L            | Ш        |                   |        |
| $\vdash$        | 39       | _        | +  | +       |          | $\vdash$  | +-                      | 4      | -    |       | 89       |                   | $\vdash \vdash$                                  | +++                 | _   | L        | _        | 139      | $\sqcup$      |                | $\perp$  | $oxed{oxed}$ |          | $\perp$           |        |
| $\vdash$        | 40       | -        | -  |         | +        | -   |                         | -      | -    | -     | 90       | +++               | $\vdash$   | +++                 |     | L        | _        | 140      | $\sqcup \bot$ | ┸              | 1_       | 1_           |          | $\Box$            | ]      |
|                 | 41       | -        |  | +       | +        | <del>                                     </del>  | +                       | 4      | 1    |       | 91       |                   | <del>                                     </del> | <del> - - </del>    | _   | <u> </u> | $\dashv$ | 141      | $\sqcup$      | $\perp$        | 1        | oxdot        | $\sqcup$ |                   |        |
| $\vdash$        |          | _        | $\dashv$                                     | -       | +        | -   | +                       | 4      |      |       | 92       |                   |  | ++                  | - ₽ | L        | _        | 142      | $\sqcup \bot$ |                | $\perp$  | Ш            |          | $\Box$            |        |
|                 | 43       |          | +  | +       | +        | $\vdash$  | ++                      | 4      | ŀ    |       | 93       |                   | <del>    -</del>                                 | - -                 | 4   | L        | _        | 143      | $\perp$       |                | $\perp$  | $oxed{oxed}$ | $\sqcup$ | $\Box$            | $\Box$ |
|                 | 44<br>45 | 4        | -  | +       | +-       | $\vdash$  | +                       | 4      | -    |       | 94       |                   | <del>   </del>                                   | +                   | - 1 | L        |          | 144      | $\sqcup$      |                | _        | $\sqcup$     |          |                   | ]      |
|                 | 46       | -        |  | +       | +-       |   | ++                      | -      | ŀ    |       | 95       | +++               | - -  | ++                  | 1.5 | <u> </u> |          | 145      | $\sqcup$      | $\perp$        | $\bot$   | Ш            |          | $\sqcup$          | ]      |
|                 | 46       |          | +  | +       | +        | -   | ++                      | -[]    |      | _     | 96       |                   |  | ++                  |     | L        | _        | 146      | $\sqcup \bot$ |                | 1_       | L            |          | ᆚ                 |        |
| $\vdash$        | 48       | 4        | -  | +-      | ┨—       |   | +                       | 4      | -    |       | 97       | <del>- - </del> - | -  | - -                 | 10% | L        |          | 147      | $\sqcup \bot$ |                |          | Ш            |          | $\Box$            |        |
| $\vdash$        |          | $\dashv$ | +  | +       | +        | $\vdash \vdash$                                   | +                       | -      | -    |       | 98       |                   |  | +++                 |     | L        |          | 148      | 1             | $\perp$        | <u> </u> | Ш            |          | $oldsymbol{\bot}$ |        |
| $\vdash$        | 49       | $\dashv$ |  | +       | 4-       | -   | ++                      | 4      | 1    |       | 99       |                   | $\vdash$   | +++                 | 100 | L        | _        | 149      |               | $\perp$        | _        | $\sqcup$     |          | $\Box$            |        |
| ш               | 50       | $\perp$  |  |         |          | $ld_{-}$  |                         | _]`.   |      |       | 100      |                   |  |                     | 135 | 1        | ı        | 150      |               | - 1            | 1        | i 1          |          | Т                 |        |